# **Estimated Productivity Benefit from Habitat Actions by Watershed/Population**

### **ESU: Snake River Basin Steelhead**

Estimates of future improvements to population egg-to-smolt productivity are based on estimated watershed improvements from the implementation of all tribal habitat actions in the MOA. Population improvements are standardized where 1.0 = the current production rate. For example a productivity improvement of 1.54 = 54% improvement over current conditions. Watersheds are weighted according to their relative importance.

#### **Tucannon River Summer Steelhead**

| Watershed      | Est. Future Function for Watershed (Calculated from all Limiting Factors) |            |            | Estimated Future<br>Productivity |             |
|----------------|---|------------|------------|----------------------------------|-------------|
|                | Current   | 10-Yr Est. | 25-Yr Est. | 10-Yr Impr.                      | 25-Yr Impr. |
| Tucannon River | 57.8  | 62.4       | 63         | 1.08                             | 1.09        |

Total Estimated Improvement for Steelhead Tucannon River Summer Steelhead Year 10 Impr. Year 25 Impr. 1.08 1.09

### ESU: Snake River Basin Steelhead

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## **Upper Grande Ronde Summer Steelhead**

| Watershed                          | Est. Future Function for Watershed (Calculated from all Limiting Factors) |            |            | Estimated Future<br>Productivity |             |
|------------------------------------|---|------------|------------|----------------------------------|-------------|
|                                    | Current   | 10-Yr Est. | 25-Yr Est. | 10-Yr Impr.                      | 25-Yr Impr. |
| Catherine Creek                    | 44  | 54         | 70         | 1.23                             | 1.59        |
| Mid Grande Ronde River and tribs   | 28  | 36         | 44         | 1.29                             | 1.57        |
| Upper Grande Ronde River and tribs | 34  | 44         | 54         | 1.29                             | 1.59        |

| <b>Total Estimated Improvement for</b> | Estimated Improvement for Upper Grande Ronde |      | Year 25 Impr. |  |
|--|--|------|---------------|--|
|  | Summer Steelhead                             | 1.28 | 1.59          |  |